

N36-136495 M/TH

## **AMENDMENT WITH RCE**

02410250aa

Amendment dated 02/07/2005

**Reply to office action mailed 11/05/2004**

The following is a complete listing of all claims in the application, with an indication of the status of each:

## **Listing of claims:**

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23       surface of said laminate structure, said laminate structure being between said  
24       third layer and said transparent flat substrate; and

25               wherein said first layer includes the dielectric thin film selected from  
26       the dielectric materials belonging to said second group; and

27               wherein said polarizing filter polarizes non-polarized light into  
28       polarized light having an s-polarized light component and a p-polarized light  
29       component, the transmittance ratio of the s-polarized light component to the p-  
30       polarized light component being in the range of 0.2 to 1.0.

1       2. (canceled)

1       3. (previously presented) A polarizing filter according to Claim 1, wherein  
2       one to four layers of dielectric thin films selected from said first group and one  
3       to four layers of dielectric thin films selected from said second group are  
4       laminated alternately on said transparent flat substrate.

1       4. (previously presented) A polarizing filter according to Claim 1, wherein a  
2       refractive index difference with respect to the wavelength of incident light  
3       between adjacent dielectric thin films selected from the dielectric materials  
4       belonging to said first and second groups respectively is in a range of from  
5       0.15 to 1.2, both inclusively.

1       5. (previously presented) A polarizing filter according to Claim 1, wherein  
2       optical film thickness of each of said dielectric thin films is in a range of  
3        $0.25\lambda \pm 0.15\lambda$  in which  $\lambda$  is a wavelength of incident light.

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1       6. (previously presented) An optical device using a polarizing filter defined  
2       in Claim 1, wherein an angle of incidence on said polarizing filter is in a range  
3       of from 20 to 70 degrees.

1       7-8. (canceled)

1       9. (previously presented) A polarizing filter according to claim 1, wherein a  
2       total number of layers of dielectric thin film is at least three layers and not  
3       larger than seven layers.

1       10. (currently amended) A polarizing filter according to claim 1, wherein the  
2       refractive index of said layer on an outermost surface is 1.62 or 1.46.

1       11. (previously presented) A polarizing filter according to claim 1, wherein  
2       said layers are constructed by three layers, the refractive index of the first layer  
3       is 2.13, the refractive index of the second layer is 1.46, and the refractive  
4       index of the layer on an outermost surface is 1.62.

1       12. (currently amended) A polarizing filter according to claim 1, wherein  
2       said layers are constructed by three layers, the refractive index of the first layer  
3       is 2.13, the refractive index of the second layer is 1.40, and the ~~first~~ refractive  
4       index of the said layer on an outermost layer surface is 1.46.

1       13. (currently amended) A polarizing filter according to claim 1, wherein  
2       said at least three layers are constructed by seven layers, the refractive indexes  
3       of the first to sixth layers are 2.13, 1.46, 2.13, 1.46, 2.13 and 1.46,

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4           respectively, and the refractive index of ~~the said layer on an outermost layer~~  
5           surface is 1.62.

1           14. (currently amended) A polarizing filter according to claim 1, wherein  
2           said at least three layers are constructed by five layers, the refractive indexes  
3           of the first to fourth layers are 2.13, 1.46, 2.13 and 1.46, respectively, and the  
4           first refractive index of ~~the said layer on an outermost layer~~ surface is 1.62.

1           15-22. (canceled)